

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

REVISED VERSION

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
31 December 2003 (31.12.2003)

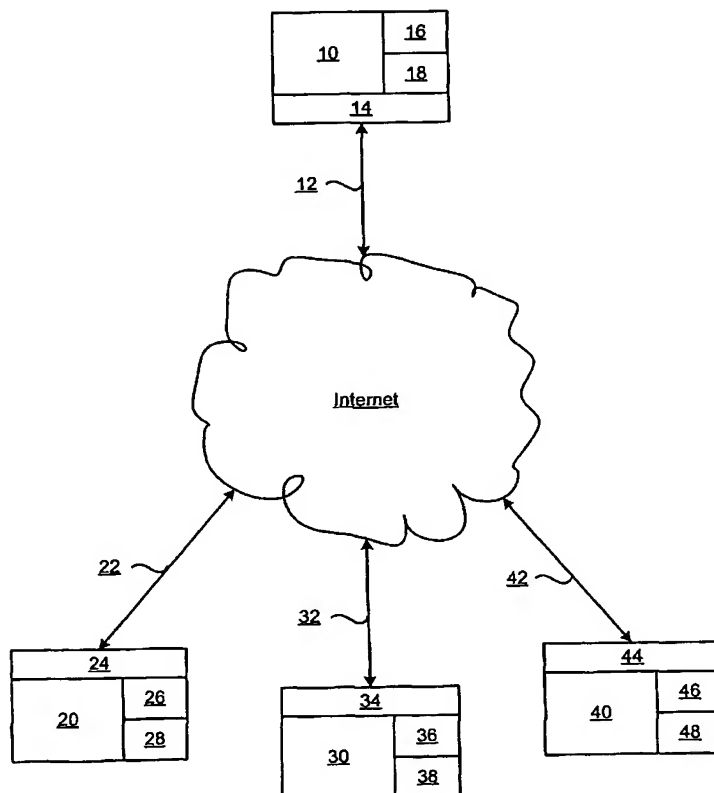
PCT

(10) International Publication Number  
**WO 2004/002086 A1**

- (51) International Patent Classification<sup>7</sup>: **H04L 12/56**, 12/22, G06F 15/16
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- (21) International Application Number: **PCT/SE2003/001030**
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- (22) International Filing Date: **18 June 2003 (18.06.2003)**
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: **0201879-4** 19 June 2002 (19.06.2002) SE
- (71) Applicant (for all designated States except US): **MAR-RATECH AB** [SE/SE]; P.O. Box 1036, S-164 21 Kista (SE).
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR CONVEYING PRIVATE INFORMATION WITHIN A GROUP COMMUNICATION SYSTEM



(57) Abstract: The present invention relates to an apparatus and method for distribution of a streamed signal within a group of users in a computer network, the users accessing client terminals (10, 20, 30, 40) for participation in a multicast session. The apparatus comprises connecting links (12, 22, 32, 42) adapted to connect the client terminals of users and related equipment, such as capturing means (16, 26...; 18, 28...), to the multicast session, preferably via the Internet or other interconnecting network. An extension header is added to data packets of the streamed signal, the extension header comprising identification data relating to the intended recipient of a packet. The invention is characterised in that a filtering means (14, 24, 34, 44) is associated with the receiving client adapted to filter out data packets having the address of the recipient and receiving the streamed signal. Consequently, the existing communication channel can be reused.



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**(15) Information about Correction:**

see PCT Gazette No. 52/2004 of 23 December 2004, Section II

**Published:**

— *with international search report*

**(88) Date of publication of the revised international search report:**  
23 December 2004

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

REVISED  
VERSION

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 03/01030

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/56, H04L 12/22, G06F 15/16  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H04B, H04Q, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Michael Smirnov et al "Programmable Group Communication Services over IP Multicast" High Performance Switching and Routing, 2000. ATM 2000. Proceedings of the IEEE Conference 26-29 June 2000 Page(s): 281-289 see abstract and section 2 "Value and services over IP Multicast" and section 3.5 "Messages" --	1-4
A	US 2002057663 A1 (BYUNG KEUN LIM), 16 May 2002 (16.05.02), see the summary of the invention --	1-4

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

25 August 2003

Date of mailing of the international search report

01-09-2003

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2003/001030

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Brian Neil Levine et al "Improving Internet Multicast with Routing Labels" Network Protocols, 1997. Proceedings., 1997 28 -31 October 1997 Page(s): 241-250 see section 1 "Introduction" --	1-4
A	Kate Jenkins et al "A Gossip Protocol for Subgroup Multicast" Distributed Computing Systems Workshop. 2001 16-19 April 2001 Page(s): 25-30 see section 1 "Introduction" --	1-4
E,X	US 6490586 B1 (GERA GOFT ET AL), 3 December 2002 (03.12.2002), figure 7, claims 1-7 --	1-4
X	Al-Shaer, E. et al "Application-layer group communication server for extending reliable multicast protocols services" Network Protocols, 1997. Proceedings., 1997 International Conference on 28-31 October 1997 pages: 267-274 see page 273 section, Raid and Dynamic Sub-Group Formation -- -----	1-4

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

26/07/03

International application No.

PCT/SE 03/01030

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	2002057663	A1	16/05/02	KR	2002037792 A	23/05/02
				KR	2002037793 A	23/05/02
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US	6490586	B1	03/12/02	IL	137383 D	00/00/00
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